USERS GUIDE

Aurora

ASP-CTH

Composite / S-Video to HDMI Converter

Manual Number: 110901

SAFETY INSTRUCTIONS

Please review the following safety precautions. If this is the first time using this model, then read this manual before installing or using the product. If the product is not functioning properly, please contact your local dealer or Aurora for further instructions.

The lightning symbol in the triangle is used to alert you to the presence of dangerous voltage inside the product that may be sufficient to constitute a risk of electric shock to anyone opening the case. It is also used to indicate improper installation or handling of the product that could damage the electrical system in the product or in other equipment attached to the product.

The exclamation point in the triangle is used to alert you to important operating and maintenance instructions. Failure to follow these instructions could result in injury to you or damage to the product.

Be careful with electricity:

- **Power outlet**: To prevent electric shock, be sure the electrical plug used on the product power cord matches the electrical outlet used to supply power to the Aurora product. Use only the power adapter and power connection cables designed for this unit.
- **Power cord**: Be sure the power cord is routed so that it will not be stepped on or pinched by heavy items.
- **Lightning**: For protection from lightning or when the product is left unattended for a long period, disconnect it from the power source.

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Also follow these precautions:

- **Ventilation**: Do not block the ventilation slots if applicable on the product or place any heavy object on top of it.

  Blocking the air flow could cause damage. Arrange components so that air can flow freely. Ensure that there is adequate ventilation if the product is placed in a stand or cabinet. Put the product in a properly ventilated area, away from direct sunlight or any source of heat.
- **Overheating**: Avoid stacking the Aurora product on top of a hot component such as a power amplifier.
- **Risk of Fire**: Do not place unit on top of any easily combustible material, such as carpet or fabric.
- **Proper Connections**: Be sure all cables and equipment are connected to the unit as described in this manual.
- **Object Entry**: To avoid electric shock, never stick anything in the slots on the case or remove the cover.
- **Water Exposure**: To reduce the risk of fire or electric shock, do not expose to rain or moisture.
- **Cleaning**: Do not use liquid or aerosol cleaners to clean this unit. Always unplug the power to the device before cleaning.
- **ESD**: Handle this unit with proper ESD care. Failure to do so can result in failure.

FCC

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference.

(2) This device must accept any interferences received, including interference that may cause undesired operation.

Trademarks

All trademarks in this document are the properties of their respective owners.

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PACKAGE CONTENTS

Please make sure the following items are included within your package. Contact your dealer if any items are missing or damaged.

- ASP-CTH x 1
- Power Adapter x 1

Note: Go to www.auroramultimedia.com for latest manual and firmware

INTRODUCTION

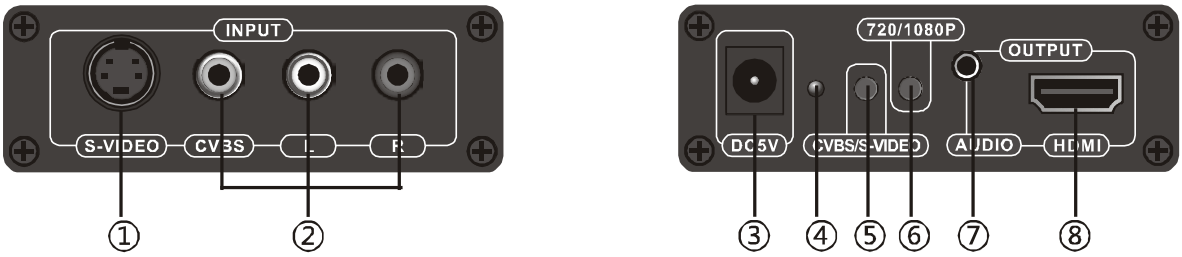
About

The ASP-CTH is a low cost scaler / de-interlacer for converting composite video or s-video to HDMI. The unit is selectable for 720p 60Hz or 1080p 60Hz at a touch of a button. The composite video and s-video are also selectable via button and the ASP-CTH will retain the settings even if it loses power. Legacy equipment can now be more easily integrated into today's digital systems with the ASP-CTH. It works great with HDMI splitters, extenders, matrixes, and switchers. Keep your system simple and your routing consistent with the ASP-CTH converter.

Features

- Up-Scales Composite or S-Video up to 1080p
- HDMI Output Selectable 720p/1080p
- NTSC or PAL Automatically Detected
- Video & S-Video Selectable via Button
- Settings Stored in Memory
- Stereo Audio

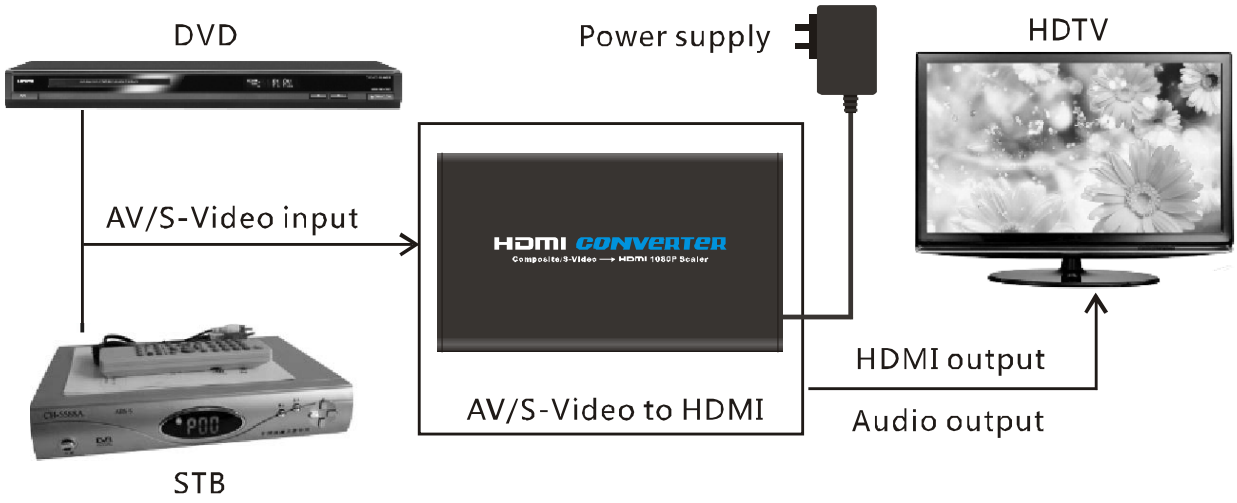
Front & Rear Panel



①. S-VIDEO: S-Video Input
②. CVBS/L/R: Composite and Audio
③. DC 5V: Connect to 5V Supply
④. Power Indicator
⑤. CVBS/S-VIDEO: Button Source Select
⑥. 720/1080P: Button Resolution Select
⑦. AUDIO: 3.5mm Stereo Output
⑧. HDMI: HDMI Output to Display

QUICK START

- Unpack the ASP-CTH from its carton making certain everything is included.
- Connect the video, s-video and audio accordingly.
- Connect the HDMI from the ASP-CTH to the display device.
- Connect the 5v power connection.
- Once power light is on select the source using the selection button.
- Choose the resolution with the 720p/1080p button.



APPENDIX 1 Troubleshooting

Problem	Solution
1. No Video Signal.	a. Check that the power plug is properly inserted into a functioning power outlet. b. Make certain source is on. c. Make certain s-video or video is selected accordingly. d. Verify the display is selected to its correct HDMI input port. e. Try 720p first as some displays will not work with 1080p 60Hz.
2. LED is not lit	a. Check 5v power supply is plugged in. b. Check to see if Wall supply is plugged into wall outlet. c. Make certain wall outlet has power.

APPENDIX 2 Technical Specifications

Front Panel	
Composite	Yellow RCA Phono
S-Video	4 Pin Mini Din
Stereo Audio	L/R White & Red Phono
Rear Panel	
HDMI Output	Type A [19-pin female]
Strereo Audio Output	3.5mm TRS
720p/1080p Button	Momentary
CVSB / S-Video Button	Momentary
Power LED	Green
5V DC Connector	5V 2A Supply
Processing	
Scaler	NTSC or PAL to 720p or 1080p De-Interlacer
Physical	
Dimension	6.1” L x 3.3” W x 1.1” H (15.6 x 8.4 x 2.8cm)
Weight	.584lbs (.265kg)
Power	5v DC 2A Power Supply

Specifications subject to change without notice.

APPENDIX 3 Warranty

Limited 3 Year Warranty

Aurora Multimedia Corp. (“Manufacturer”) warrants that this product is free of defects in both materials and workmanship for a period of 3 years as defined herein for parts and labor from date of purchase. This Limited Warranty covers products purchased in the year of 2009 and after. Motorized mechanical parts (Hard Drives, DVD, etc), mechanical parts (buttons, doors, etc), remotes and cables are covered for a period of 1 year. Touch screen displays are covered for 1 year; touch screen overlay components are covered for 90 days. Supplied batteries are not covered by this warranty. During the warranty period, and upon proof of purchase, the product will be repaired or replaced (with same or similar model) at our option without charge for parts or labor for the specified product lifetime warranty period.

This warranty shall not apply if any of the following:

A. The product has been damaged by negligence, accident, lightning, water, act-of-God or mishandling; or,

B. The product has not been operated in accordance with procedures specified in operating instructions: or,

C. The product has been repaired and or altered by other than manufacturer or authorized service center; or,

D. The product's original serial number has been modified or removed: or,

E. External equipment other than supplied by manufacturer, in determination of manufacturer, shall have affected the performance, safety or reliability of the product.

F. Part(s) are no longer available for product.

In the event that the product needs repair or replacement during the specified warranty period, product should be shipped back to Manufacturer at Purchaser's expense. Repaired or replaced product shall be returned to Purchaser by standard shipping methods at Manufacturer's discretion. Express shipping will be at the expense of the Purchaser. If Purchaser resides outside the contiguous US, return shipping shall be at Purchaser's expense.

No other warranty, express or implied other than Manufacturer's shall apply.

Manufacturer does not assume any responsibility for consequential damages, expenses or loss of revenue or property, inconvenience or interruption in operation experienced by the customer due to a malfunction of the purchased equipment. No warranty service performed on any product shall extend the applicable warranty period. This warranty does not cover damage to the equipment during shipping and Manufacturer assumes no responsibility for such damage.

Aurora Multimedia Corp.

205 Commercial Court

Morganville, NJ 07751

Phone: 732-591-5800 Fax: 732-591-6801